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Bingjun Zhang, Jia Zhu, Ye Wang, Wee Kheng Leow

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Automatic music transcription, in spite of decades of research, remains
 The traditional audio-only approach has yet to achieve a satisfactory pe
 aided pedagogical system. Inspired by the high ...

Keywords: automatic note inference, multiple finger tracking, music tr

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 Saturnino Luz, Masood Masoodian, Bill Rogers, Chris Deering
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A set of user interface design techniques for computer-assisted speech transcription was evaluated with respect to task performance and usability. These techniques include mechanisms which originated in dictation systems ...




Keywords: automatic speech recognition, computer-assisted speech transcription, user interface design

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[Themes in the early history of HCI---some unanswered questions](#)


Ronald M. Baecker
March 2008 **interactions**, Volume 15 Issue 2

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8 [Effective use of multimedia for computer-assisted musical instrument tutoring](#)

 Graham Percival, Ye Wang, George Tzanetakis
September 2007 **Emme '07: Proceedings of the international workshop on multimedia education**

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This paper presents a survey of recent work in computer-assisted music instruction. It outlines several questions to consider when developing future projects. The area in greatest need of computer assistance ...

Keywords: animation, computer-assisted musical instrument tutoring, transcription, support system, visualization

9 [Queueing Network-Model Human Processor \(QN-MHP\): A computational model of human performance in human-machine systems](#)

 Yili Liu, Robert Feyen, Omer Tsimhoni
March 2006 **Transactions on Computer-Human Interaction (TOCHI)**, Volume 13 Issue 3

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Queueing Network-Model Human Processor (QN-MHP) is a computational model that combines two complementary approaches to cognitive modeling: the queueing network approach (exemplified by the MHP/GOMS family of models, ...

Keywords: Cognitive model, cognition, human information processing, user interfaces

10 [The GOMS family of user interface analysis techniques: comparison](#)

 [Bonnie E. John, David E. Kieras](#)

December 1996 **Transactions on Computer-Human Interaction (TOCHI)**

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Full text available:  [Pdf](#) (594.14 KB) Additional Information: [full citation](#), [abstract](#), ...

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Since the publication of The Psychology of Human-Computer Interaction, GOMS has become one of the most widely known theoretical concepts in HCI. This concept has spawned a variety of analysis techniques that differ in appearance ...

Keywords: GOMS, cognitive modeling, usability engineering

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